CAUTION

RISK OF ELECTRIC SHOCK - DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QAULIFIED PERSONNEL.

The lightening flash with arrowhead within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.

The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

This product is not designed to function normally in strong electro-magnetic fields. Consequently, the audio quality may degrade while the product is exposed to strong electromagnetic fields. Normal audio quality operation will be recovered when the strong electromagnetic field is no longer present.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, SO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Ce produit n'est pas conçu pour un fonctionnement dans de forts champs électromagnétiques. Par conséquent, la qualité sonore peut diminuer si ce produit est exposé à un fort champ életromagnétique. La qualité sonore redeviendra normale après affaib-lisse-ment du champ électromagnétique.

IMPORTANT SAFETY INSTRUCTIONS

ATTENTION: ALL SAFETY AND OPERATING INSTRUCTIONS SHOULD BE READ BEFORE OPERATING APPLIANCE. ALL OPERATING AND USE INSTRUCTIONS SHOULD BE FOLLOWED WHEN OPERATING THE APPLIANCE. HEED AND ADHERE TO ALL WARNINGS ON THE APPLIANCE AND IN THE OPERATING INSTRUCTIONS. RETAIN ALL SAFETY AND OPERATING INSTRUCTIONS FOR FUTURE REFERENCE.

WATER & MOISTURE - DO NOT USE THE APPLIANCE NEAR WATER; IE. BATHTUB, WASHBOWL, KITCHEN SINK, LAUNDRY TUB, WET BASEMENT OR SWIMMING POOL.

VENTILATION - DO NOT SITUATE THE APPLIANCE SO THAT ITS LOCATION OR POSITION INTERFERES WITH ITS PROPER VENTILATION. FOR EXAMPLE, THE APPLIANCE SHOULD NOT BE SITUATED ON A BED, SOFA, RUG OR SIMILAR SURFACE THAT MAY BLOCK THE VENTILATION OPENINGS. THE APPLIANCE SHOULD NOT BE PLACED IN A BUILT-IN INSTALLATION, SUCH AS A BOOKCASE OR CABINET, THAT MAY IMPEDE THE FLOW OF AIR THROUGH THE VENTILATION OPENINGS.

HEAT - SITUATE THE APPLIANCE AWAY FROM HEAT SOURCES SUCH AS RADIATORS, HEAT REGISTERS, STOVES OR OTHER APPLIANCES (INCLUDING AMPLIFIERS) THAT PRODUCE HEAT.

POWER SOURCES - CONNECT THE APPLIANCE ONLY TO A POWER SUPPLY TYPE DESCRIBED IN THE OPERATING INSTRUCTIONS OR MARKED ON THE APPLIANCE.

GROUNDING OR POLARIZATION - PRECAUTIONS SHOULD BE TAKEN SO THAT THE GROUNDING OR POLARIZATION MEANS OF THE APPLIANCE ARE NOT DEFEATED.

POWER CORD PROTECTION - POWER SUPPLY CORDS SHOULD BE ROUTED SO THAT THEY ARE NOT LIKELY TO BE WALKED ON OR PINCHED BY ITEMS PLACED UPON OR AGAINST THEM, PAY-ING PARTICULAR ATTENTION TO CORDS AT PLUGS, CONVENIENCE RECEPTACLES, AND THE POINT WHERE THEY EXIT FROM THE APPLIANCE.

CLEANING - THE APPLIANCE SHOULD BE CLEANED ONLY AS RECOMMENDED BY CALIFONE.

NON USE PERIODS - UNPLUG THE APPLIANCE POWER CORD FROM THE OUTLET / REMOVE ANY BATTERIES WHEN LEFT UNUSED FOR A LONG PERIOD OF TIME.

OBJECT & LIQUID ENTRY - CARE SHOULD BE TAKEN SO THAT OB-JECTS DO NOT FALL AND LIQUIDS ARE NOT SPILLED INTO THE ENCLOSURE THROUGH OPENINGS.

DAMAGE REQUIRING SERVICE - THE APPLIANCE SHOULD BE SERVICED BY QUALIFIED SERVICE PERSONNEL WHEN: (A) THE POWER SUPPLY CORD OR THE PLUG HAS BEEN DAMAGED (B) OBJECTS HAVE FALLEN OR LIQUID HAS BEEN SPILLED INTO THE APPLIANCE (C) THE APPLIANCE HAS BEEN EXPOSED TO RAIN (D) THE APPLIANCE DOES NOT APPEAR TO BE OPERATING NORMALLY OR EXHIBITS A MARKED CHANGE IN PERFORMANCE (E) THE APPLIANCE HAS BEEN DROPPED OR THE ENCLOSURE DAMAGED.

SERVICING - THE USER SHOULD NOT ATTEMPT TO SERVICE THE APPLIANCE BEYOND THAT DESCRIBED INTHE OPERATING INSTRUCTIONS. ALL OTHER SERVICING REFER TO A QUALIFIED SERVICE PERSONNEL.

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CALIFONE®

PresentationPro™

PA159

Wireless Portable PA System

TP-30 tripod sold seperately

User Manual

PresentationPro™ User Manual

Thank you for purchasing the Califone® PA159 Wireless Portable PA System.

We encourage you to visit our website www.califone.com to register your product for its warranty coverage, to sign up to receive our newsletter, download our catalog, and learn more about the complete line of Califone® audio visual products, including portable and installed wireless PA systems, multimedia players and recorders, headphones and headsets, computer peripheral equipment, visual presentation products and language learning materials.

Unpacking the Unit

Inspection and inventory of your system. Check unit carefully for damage that may have occurred during transit. Each PresentationPro™ product is carefully inspected at the factory and packed in a special carton for safe transport.

ALL DAMAGE CLAIMS MUST BE MADE WITH THE FREIGHT CARRIER

Notify the freight carrier immediately if you observe any damage the shipping carton or product. Repack the unit in the carton and await inspection by the carrier's claim agent. Notify your dealer of the pending freight claim.

Warranty Registration

Please visit the Califone website to register your PresentationPro™ for warranty coverage.

Returning your unit for service or repairs

Should your unit require service, contact your dealer or our Customer Service Department at (800) 722-0500 to obtain a Return Authorization (RA) number. All shipments to Califone must include an RA number on the carton and must shipped prepaid. C.O.D. shipments will be refused and returned at your cost.

Contents

- PA159 Powered Amplifier
- MB-350 Mounting Bracket
- RC-300 Remote Control and (2) AAA Batteries
- Universal Power Adapter with AC Power Cord
- User Manual

Connections and Functions

NOTE: When first connecting other equipment to "aux in" or "line" in make certain that their power is off and volume control at minimum.

Charging the Battery

1. Before using your new PresentationPro PA159, charge the battery for at least 10 hours.
2. The indicator light above the power jack will be off if the battery is fully charged.
3. The indicator light above the power jack will light green if the battery has a low charge.
4. The battery should be fully recharged after several hours use to prolong the life of the battery. The battery will deteriorate if stored in a discharged state for more than 30 days.

Recommended Set-up Procedure

1. Ideally volume on the unit should be set at maximum before the microphone volume is adjusted to the desired level.
2. Turn on the main power switch and use either a wireless microphone or cabled microphone to adjust the volume.

Operating the Sound System

1. Place the PresentationPro at its desired location.
2. CAUTION: Assure the 120/240 switch is in the correct position.
3. Plug the power cord into a grounded 90-240 volts AC, 50-60Hz.
4. Connect and audio source. Plug a microphone into either the XLR MIC input jack or the ¼" phone mic input or a wireless Califone microphone. An audio source can be plugged into the AUX or LINE IN jacks.
5. Turn the power switch "ON" (the red LED on the rear panel should light).
6. Adjust volume (press the Vol+/Vol- on the rear panel or keys on RC-300 remote control), bass/treble controls for desired sound.
7. Point the remote control at the speaker grill).

Wireless Receiver

1. Set the volume controls on both the UHF receiver and the mic to 10 o'clock.
2. If using only neckband or clip on mics, it is recommended that the mic volume on the M319 Belt Pack Transmitter (not the UHF receiver) is turned to maximum. The volume control on the Belt Pack Transmitter can then be used to adjust the mic volume.
3. If using mics which DO NOT have individual volume controls it is recommended that the microphone volume control be set at 10 o'clock and then re-adjusted to the desired volume as required.
4. It is very important to ensure that the channel number selected on the PA159 is the same as the channel number selected on the mic. The channel indicator can be found on the Belt Pack Transmitter (M319) in the case of neckband & clip on wireless mics & on the handle of the wireless handheld mic.
5. It is advisable to ALWAYS have spare batteries handy for the Belt Pack Transmitters and Handheld radio mic.
6. Nothing is more embarrassing than to have them wear out during a presentation & not having spares on hand.
7. If a mic is being used within 4 to 6 feet from the front of the speaker this will produce what is known as "feedback " - a shrill screeching sound. Ensure the operator is far enough away to prevent this (*read more on page 4*).
8. The wireless microphones can be used up to 150 feet from the main unit. N.B. The channel numbers are preset at the factory so unless anyone tampers with them there is no need to worry.
9. If using the wireless receiver, make sure the frequency is set on the Califone wireless mic or transmitter to the same matching frequency on the PA159.

Volume Control

1. When the main power switch is turned on, the Volume Control is at the lowest level to prevent accidental damage to the amplifier.
2. The volume can be controlled by using the Vol+/Vol- buttons on the rear panel or the RC-300 Infrared remote volume control. Volume is adjusted (+/- 4.5dB) with each push of one of the volume control buttons. Maximum volume is reached after approximately ten pushes.

NOTE: The remote control must be used in front of the speaker as the sensor is behind the speaker grill. The volume control effects the loudness of both wired and wireless microphones.

Line Inputs

The line-level RCA input jacks can be used with audio sources such as computers, DVD players, LCD projectors, CD players or connecting another wired PresentationPro. (The L+R stereo outputs to a mono signal without the need for adapters.)

NOTE: For wireless microphone operation, the wireless receiver audio output can be plugged into "Line-In".

Line Out

The ¼" line out is used to connect to the input of another piece of equipment such as a another amplified speaker. The outputs are monaural and volume level will depend on the volume of the source. For example, the tape or CD player level is controlled by the tape/CD volume control. Line out is independent of the Volume Control.

Tone Controls

The separate base and treble controls provide a wide range of adjustment for increasing or decreasing either the bass or treble from "flat" frequency response. The center or "12 o'clock" position is flat.

Mic Input (Unbalanced)

An unbalanced, low impedance microphone input. For use with standard dynamic microphones that have a 1/4" phone plug.

Mic Input (Balanced)

Use this input for a dynamic (low impedance) microphone with an XLR plug or condenser/electret (high impedance) microphones which may need phantom (polarizing) voltage.

Mic Impedance Switch

This switch is used to compensate for mic impedance differences. It assures full amplifier output regardless of the microphone used. Note: All connections must be made with shielded cable to avoid hum, buzzing, or radio interference.

LED

There are 3 LED indicator lights behind the speaker grill to give visual assurance of power, RF and audio reception.

Feedback Information

What is Feedback? Feedback is a ringing, howling, or shrill sound that is self-generated by the sound system when using a microphone. It is the result of sound from the speakers being picked up by the microphone(s) in use and then re-amplified by the system. This can form a self-sustaining loop that can damage the sound system if allowed to continue, not to mention annoyance to persons nearby.

How to prevent feedback

ALWAYS STAND BEHIND THE SPEAKER WHEN USING A MICROPHONE. If feedback does occur, immediately reduce the volume. Always plug in the microphone before turning on the power. Reducing the "treble" control may also help.

Troubleshooting Guide

Conditions	**Possible Solution**
No sound (power LED not lit):	*Turn POWER switch on plug in power cord*
No sound (power LED lit):	*Check for output from audio source make sure all cables are completely plugged in mic switch on increase volume control*
Distorted sound:	*Check input cable connection lower input signal level reduce bass and/or treble*
Excessive hum or noise:	*Use shielded input cable*
RC-300 Remote Control does not function:	*Replace batteries*

Specifications

Rated power output:	15 watts RMS	at 2% THD
Sensitivity for rated output:	Line:	125 mVrms
	Microphone::	4 mVrms
	Auxiliary:	250 mVrms

Frequency response:	60 Hz – 20 kHz+ 3dB	
Treble:	+dB, -10dB, 10kHz	
Bass:	+5dB, -4.5dB 70Hz	
Speakers:	Woofer:	6" High efficiency 4oHms, with non inductive external shield
	Tweeter:	2" mylar dome, with crossover capacitor
Crossover:	L/C – 6dB/Octave @ 4kHz	
Volume control:	Steps up/down 4.5 dB per step. 10 steps to maximum volume	

Inputs

Line inputs (2):	Hi-Z, RCA (summing L+R)	
	Balanced mic:	Hi or lo-Z, with phantom power (+15 volts D.C.)
	Unbalanced mic:	Lo-Z, ¼" –phone
	Auxiliary:	Hi-Z Mono ¼" –phone

Line output (2):	250mv at 15 watts RMS	2 - RCA, 1 - ¼"
Remote Control distance:	30 Feet	
UHF Receiver:	16 selectable channels with switching antennas 902-928MHz	
Battery:	Usage: 8 hours (constant max music power:100dB SPL at 1 meter)	
	12 volt sealed lead acid, 4.7 Ah, 8 hour recharge	
AC Power requirements:	90-240 volts AC, 50-60Hz via universal power adapter	
Dimensions (HWD):	6-1/4" x 10" x 8-1/2" (159mm x 250mm x 216mm)	
Weight:	Actual weight: 10 lbs	Shipping weight: 14 lbs

Specifications subject to change without notice.